





Customer Number 22,852 Attorney Docket No. 03806-0530-00000

DECLARATION AND POWER OF ATTORNEY

As a below named inventor, I hereby declare that: my residence, post office address and citizenship are as stated below next to my name; I believe I am the original, first, and sole inventor (if only one name is listed below) or an original, first, and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled: SEQUENCES UPSTREAM OF THE CARP GENE, VECTORS CONTAINING THEM AND USES THEREOF, the specification of which was filled on December 7, 2001, as United States Application Serial No.10/005,337 and was amended on

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any

Country	Application	n Number	Date of Filing	Priority Claimed	d Under 35 U.S.C. 119
				☐ YES ☐	NO
				☐ YES ☐	NO
I hereby claim the benefit und	er 35 U.S.C. § 119	(e) of any United	States provisional application	on(s) listed below:	
Appli	cation Number			Date of Filing	
6	60/251,582			December 7, 20	00
ternational filing date of this ap					
eg. No. 20,291; Ford F. Farabo ea. No. 22.593; Tipton D. Jenni	attorney and/or ag I, HENDERSON, F IW, Jr., Reg. No. 20 Ings. IV. Reg. No. 20	ent(s) to prosecut FARABOW, GARI 1,630; Arthur S. G 20,645; Jerry D. V	RETT & DUNNER, L.L.P., (Garrett, Reg. No. 20,338; Do Yoight, Reg. No. 23,020; La	act all business in the Pa CUSTOMER NUMBER 2 nald R. Dunner, Reg. No urence R. Hefter, Reg. N	2,852 , Douglas B. Henderso 5, 19,073; Brian G. Brunsvold Io. 20,827; Kenneth E. Payno
	attorney and/or ag I, HENDERSON, F IW, Jr., Reg. No. 20 Ings, IV, IV, IV, IV, IV, IV, IV, IV, IV, IV	ent(s) to prosecut FARABOW, GARI 1,630; Arthur S. G 20,645; Jerry D. V 1; C. Larry O'Rour ephen L. Peterson n M. Sokal, Reg. N 1rving, Reg. No. 2 eg. No. 28,508; E cine, Reg. No. 30, topher P. Foley, R s, Reg. No. 25,14 l. No. 32,984; Barl eg. No. 32,824; Th J. 32,013; Andrew Reg. No. 33,871; J. 33,216; Charles No. 33,921; Jame No. 34,498; David No. 30,389; and T & DUNNER, L. I of my own knowl nade with the know	te this application and trans RETT & DUNNER, L.L.P., of the larget Reg. No. 20,338; Do oight, Reg. No. 26,014; Albert, Reg. No. 26,014; Albert, Reg. No. 26,325; John M. No. 26,695; Robert D. Bajert, Robert Yoches, Reg. No. 415; Thomas H. Jenkins, Feg. No. 31,354; John C. Pafe; Carol P. Einaudi, Reg. No. 10 Chanho Sonu, Reg. No. 10 Chanho Sonu, Reg. No. 11 Chanho Sonu, Reg. No. 12 Chanho Sonu, Reg. No. 13 Chanho Sonu, Reg. No. 31 Michael R. McGurk, Reg. No. 14 Chanho Sonu, Reg. No. 33, A. Manspeizer, Reg. No. 33, A. Manspeizer, Reg. No. 34 Chanho Sonu Reg. No. 35 Chanho Sonu Reg. No. 36 Chanho Sonu, Reg. No. 40, 20 Chanho Sonu, Reg. No. 40, 20 Chanho Sonu, Reg. No. 40, 20 Chanho Sonu, Reg. No. 30 Chanho Sonu, Reg. No. 30 Chanho Sonu, Reg. No. 40, 20 Chanho Sonu, Reg. No. 30 Chanho Sonu, Reg. No. 40, 20 Chanho Sonu, Re	act all business in the Pacustomer Number 2 nald R. Dunner, Reg. No urence R. Hefter, Reg. No J. Santorelli, Reg. No. 26,33 sky, Reg. No. 25,387; Riceg. No. 28,165; Thomas 30,120; Barry W. Graham eg. No. 30,857; Robert E ul, Reg. No. 30,413; Rog o. 32,220; Walter Y. Boyo 32,120; James K. Hamm 32,719; Christopher P. Is 8,457; David S. Forman, I lo. 32,045; Joann M. Net 266; Linda A. Wadler, Re 071; Doris Johnson Hines 7,540; John Rissman, Re 0,47,114. Please addres vashington, D.C. 20005, atements made on inforn ements and the like so me	atent and Trademark Office 2,852, Douglas B. Henderso, 19,073; Brian G. Brunsvoldo. 20,827; Kenneth E. Paynico, 20,827; Kenneth E. Paynico, 20,827; Kenneth E. Paynico, 20,827; Kenneth E. Paynico, 20,824; Susan E. Converse, Jr., Reg. No. 27,60, Jr., Reg. No. 31,738; Stenond, Reg. No. 31,738; Stenond, Reg. No. 32,616; Bryan Reg. No. 33,694; Vincent P. Jr., Reg. No. 36,363; Gerson 19, No. 33,218; Jeffrey A. S., Reg. No. 34,629; Allen R. 19, No. 33,764; M. Lawrence 19, No. 33,764; M. Lawrence 19, No. 33,764; M. Lawrence 19, No. 30,764; M. Lawrence 19, No. 30,
I hereby appoint the following onnected therewith. FINNEGAN eg. No. 20,291; Ford F. Farabo eg. No. 22,593; Tipton D. Jenni eg. No. 23,098; Herbert H. Minto. 25,857; Richard H. Smith, Rey. 680; Dennis P. O'Reilley, Reg. 8,478; David W. Hill, Reg. No. 28,818; aberman Griffen, Reg. No. 28,818; aberman Griffen, Reg. No. 30,953; J. Anzalone, Reg. No. 32,095; J. Burgujian, Reg. No. 32,095; J. Burgujian, Reg. No. 31,744; J. Diner, Reg. No. 32,867; Jame entitch, Reg. No. 33,751; Cherierkowitz, Reg. No. 36,743; Miclensen, Reg. No. 30,915; There in the prisonment, or both, under security of the security of the true; and further that these apprisonment, or both, under security.	attorney and/or ag I, HENDERSON, F IW, Jr., Reg. No. 20 Ings, IV, IV, IV, IV, IV, IV, IV, IV, IV, IV	ent(s) to prosecut FARABOW, GARI 1,630; Arthur S. G 20,645; Jerry D. V I; C. Larry O'Rour ephen L. Peterson n M. Sokal, Reg. No. 2 eg. No. 28,508; E cine, Reg. No. 30, topher P. Foley, R s, Reg. No. 25,144 J. No. 32,984; Barl eg. No. 32,824; Ti D. 32,013; Andrew Reg. No. 33,871; D. 33,216; Charles No. 34,498; David No. 30,389; and T & DUNNER, L.I of my own knowl nade with the know 8 of the United St	te this application and trans RETT & DUNNER, L.L.P., of the larget Reg. No. 20,338; Do oight, Reg. No. 26,014; Albert, Reg. No. 26,014; Albert, Reg. No. 26,325; John M. No. 26,695; Robert D. Bajert, Robert Yoches, Reg. No. 415; Thomas H. Jenkins, Feg. No. 31,354; John C. Pafe; Carol P. Einaudi, Reg. No. 10 Chanho Sonu, Reg. No. 10 Chanho Sonu, Reg. No. 11 Chanho Sonu, Reg. No. 12 Chanho Sonu, Reg. No. 13 Chanho Sonu, Reg. No. 31 Michael R. McGurk, Reg. No. 14 Chanho Sonu, Reg. No. 33, A. Manspeizer, Reg. No. 33, A. Manspeizer, Reg. No. 34 Chanho Sonu Reg. No. 35 Chanho Sonu Reg. No. 36 Chanho Sonu, Reg. No. 40, 20 Chanho Sonu, Reg. No. 40, 20 Chanho Sonu, Reg. No. 40, 20 Chanho Sonu, Reg. No. 30 Chanho Sonu, Reg. No. 30 Chanho Sonu, Reg. No. 40, 20 Chanho Sonu, Reg. No. 30 Chanho Sonu, Reg. No. 40, 20 Chanho Sonu, Re	act all business in the Pacustomer Number 2 nald R. Dunner, Reg. No urence R. Hefter, Reg. No J. Santorelli, Reg. No. 26,33 sky, Reg. No. 25,387; Riceg. No. 28,165; Thomas 30,120; Barry W. Graham eg. No. 30,857; Robert E ul, Reg. No. 30,413; Rog o. 32,220; Walter Y. Boyo 32,120; James K. Hamm 32,719; Christopher P. Is 8,457; David S. Forman, I lo. 32,045; Joann M. Net 266; Linda A. Wadler, Re 071; Doris Johnson Hines 7,540; John Rissman, Re 0,47,114. Please addres vashington, D.C. 20005, atements made on inforn ements and the like so me	atent and Trademark Office 2,852, Douglas B. Henderso, 19,073; Brian G. Brunsvoldo. 20,827; Kenneth E. Paynico, 20,827; Kenneth E. Paynico, 20,827; Kenneth E. Paynico, 20,827; Kenneth E. Paynico, 20,824; Susan E. Converse, Jr., Reg. No. 27,60, Jr., Reg. No. 31,738; Stenond, Reg. No. 31,738; Stenond, Reg. No. 32,616; Bryan Reg. No. 33,694; Vincent P. Jr., Reg. No. 36,363; Gerson 19, No. 33,218; Jeffrey A. S., Reg. No. 34,629; Allen R. 19, No. 33,764; M. Lawrence 19, No. 33,764; M. Lawrence 19, No. 33,764; M. Lawrence 19, No. 30,764; M. Lawrence 19, No. 30,

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January 2000



Customer Number 22,852 Attorney Docket No. 03806-0530-00000

Inventor's Signature B SCHW AR:	Date . Feb. 18, load .
	Citizenship France
Inventor's Signatures nameler	Date 7 Feb. 26, 2002
	Citizenship France
Inventor's Signature	Date
	Citizenship United States of America
	Inventor's Signatures namelers

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December 7, 2000



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As a below flamed inventor. I hereby declare that: my residence, post office address and citizenship are as stated below next to my name; I believe I am the original, first, and sole inventor (if only one name is listed below) or an original, first, and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled: SEQUENCES UPSTREAM OF THE CARP GENE, VECTORS CONTAINING THEM AND USES THEREOF, the specification of which was filed on December 7, 2001, as United States Application Senal No.10/005, 337, and was amended on

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above. I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR § 1.56.

I hereby claim foreign priority benefits under 35 U.S.C. § 119(a)-(d) or § 365(b) of any foreign application(s) for patent or inventor's certificate or § 365(a) of any PCT international application(s) designating at least one country other than the United States, listed below and have also identified below, any foreign application(s) for patent or inventor's certificate, or any PCT International application(s) having a filing date before that of the application(s) of which priority is claimed:

Country	Application Number	Date of Filing	Priority Claimed Under 35 U.S.C. 119
			YES NO
			YES NO
	nder 35 U.S.C. § 119(e) of any United S	States provisional application	
Apr	plication Number	i	Date of Filing

I hereby claim the benefit under 35 U.S.C. § 120 of any United States application(s) or § 365(c) of any PCT International application(s) designating the United States, listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States or PCT International application(s) in the manner provided by the first paragraph of 35 U.S.C. § 112, I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR § 1.56 which became available between the filing date of the prior application(s) and the national or PCT International filing date of this application:

Application Number	Date of Filing	Status (Patented, Pending, Abandoned)

I hereby appoint the following attorney and/or agent(s) to prosecute this application and transact all business in the Patent and Trademark Office connected therewith. FINNEGAN, HENDERSON, FARABOW, GARRETT & DUNNER, L.L.P., CUSTOMER NUMBER 22,852, Douglas B. Henderson, Reg. No. 20,291; Ford F. Farabow, Jr., Reg. No. 20,630; Arthur S. Garrett, Reg. No. 20,338; Donald R. Dunner, Reg. No. 19,073; Brian G. Brunsvold. Reg. No. 22,593; Tipton D. Jennings, IV, Reg. No. 20,645; Jerry D. Voight, Reg. No. 23,020; Laurence R. Hefter, Reg. No. 20,827; Kenneth E. Payne, Reg. No. 23,098; Herbert H. Mintz, Reg. No. 26,691; C. Larry O'Rourke, Reg. No. 26,014; Albert J. Santorelli, Reg. No. 22,610; Michael C. Elmer, Reg. No. 25,857; Richard H. Smith, Reg. No. 20,609; Stephen L. Peterson, Reg. No. 26,325; John M. Romary, Reg. No. 26,331; Bruce C. Zotter, Reg. No. 27,680; Dennis P. O'Reilley, Reg. No. 27,932; Allen M. Sokal, Reg. No. 26,695; Robert D. Bajefsky, Reg. No. 25,387; Richard L. Stroup, Reg. No. 28,478; David W. Hill, Reg. No. 28,220; Thomas L. Irving, Reg. No. 28,619; Charles E. Lipsey, Reg. No. 28,165; Thomas W. Winland, Reg. No. 27,605; Basil J. Lewris, Reg. No. 28,818; Martin I. Fuchs, Reg. No. 28,508; E. Robert Yoches, Reg. No. 30,120; Barry W. Graham, Reg. No. 29,924; Susan Haberman Griffen, Reg. No. 30,907; Richard B. Racine, Reg. No. 30,415; Thomas H. Jenkins, Reg. No. 30,857; Robert E. Converse, Jr., Reg. No. 27,432; Clair X. Mullen, Jr., Reg. No. 20,348; Christopher P. Foley, Reg. No. 31,354; John C. Paul, Reg. No. 30,413; Roger D. Taylor, Reg. No. 28,992; David M. Kelly, Reg. No. 30,953; Kenneth J. Meyers, Reg. No. 25,146; Carol P. Einaudi, Reg. No. 32,220; Walter Y. Boyd, Jr., Reg. No. 31,738; Steven M. Anzalone, Reg. No. 32,095; Jean B. Fordis, Reg. No. 32,984; Barbara C. McCurdy, Reg. No. 32,120; James K. Hammond, Reg. No. 31,964; Richard V. Burgujian, Reg. No. 31,744; J. Michael Jakes, Reg. No. 32,824; Thomas W. Banks, Reg. No. 32,719; Christopher P. Isaac, Reg. No. 32,616; Bryan C. Diner, Reg. No. 32,409; M. Paul Barker, Reg. No. 32,013; Andrew Chanho Sonu, Reg. No. 33,457; David S. Forman, Reg. No. 33,694; Vincent P. Kovalick, Reg. No. 32,867; James W. Edmondson, Reg. No. 33,871; Michael R. McGurk, Reg. No. 32,045; Joann M. Neth, Reg. No. 36,363; Gerson S. Panitch, Reg. No. 33,751; Cheri M. Taylor, Reg. No. 33,216; Charles E. Van Horn, Reg. No. 40,266; Linda A. Wadler, Reg. No. 33,218; Jeffrey A. Berkowitz, Reg. No. 36,743; Michael R. Kelly, Reg. No. 33,921; James B. Monroe, Reg. No. 33,971; Dorls Johnson Hines, Reg. No. 34,629; Allen R. Jensen, Reg. No. 28,224; Lori Ann Johnson, Reg. No. 34,498; David A. Manspeizer, Reg. No. 37,540; John Rissman, Reg. No. 33,764; M. Lawrence Oliverio, Reg. No. 30,915; Therese Hendricks, Reg. No. 30,389; and William L. Strauss, Reg. No. 47,114. Please address all correspondence to FINNEGAN, HENDERSON, FARABOW, GARRETT & DUNNER, L.L.P., 1300 I Street, N.W., Washington, D.C. 20005, Telephone No. (202) 408-4000.

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

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